

JVC

Supplementary **SERVICE MANUAL**

MODEL
RC-717W,WH

FM-MW-SW1-SW2
4-BAND RADIO
STEREO CASSETTE
RECORDER

Notice:

The tuner and amplifier circuit boards will be changed in the midway of production to mount the parts soldered on the copper side of the circuit board on the component side.



The circuit boards will be changed as follows.

RC-717W

Tuner Circuit Board

After serial No. 10260501

Amplifier Circuit Board

After serial No. 10260501

RC-717WH

Amplifier Circuit Board

After serial No. 12260001

Schematic Diagram of RC-717W,WH (Tuner)

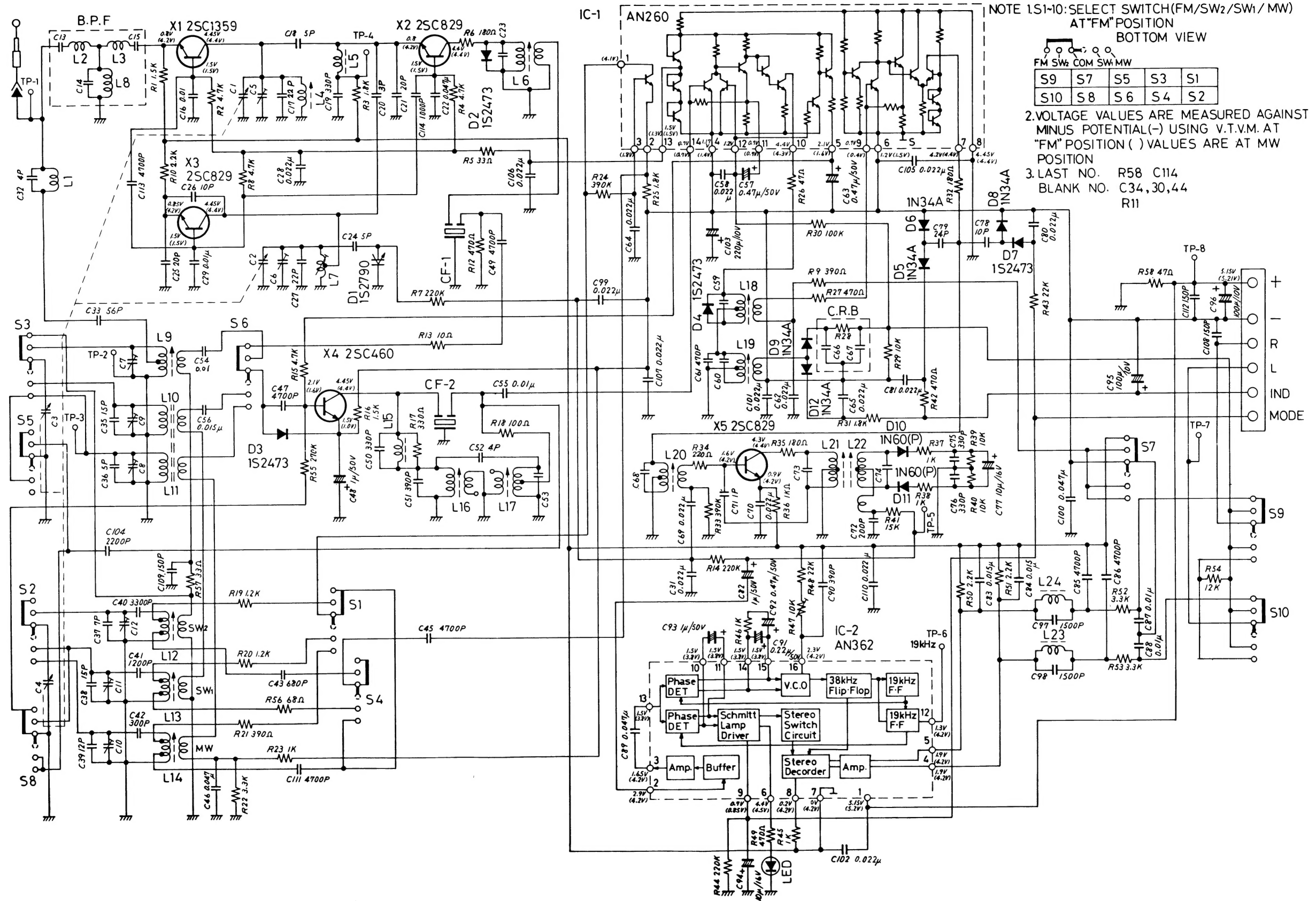


Fig. 1

Tuner Circuit Board Ass'y

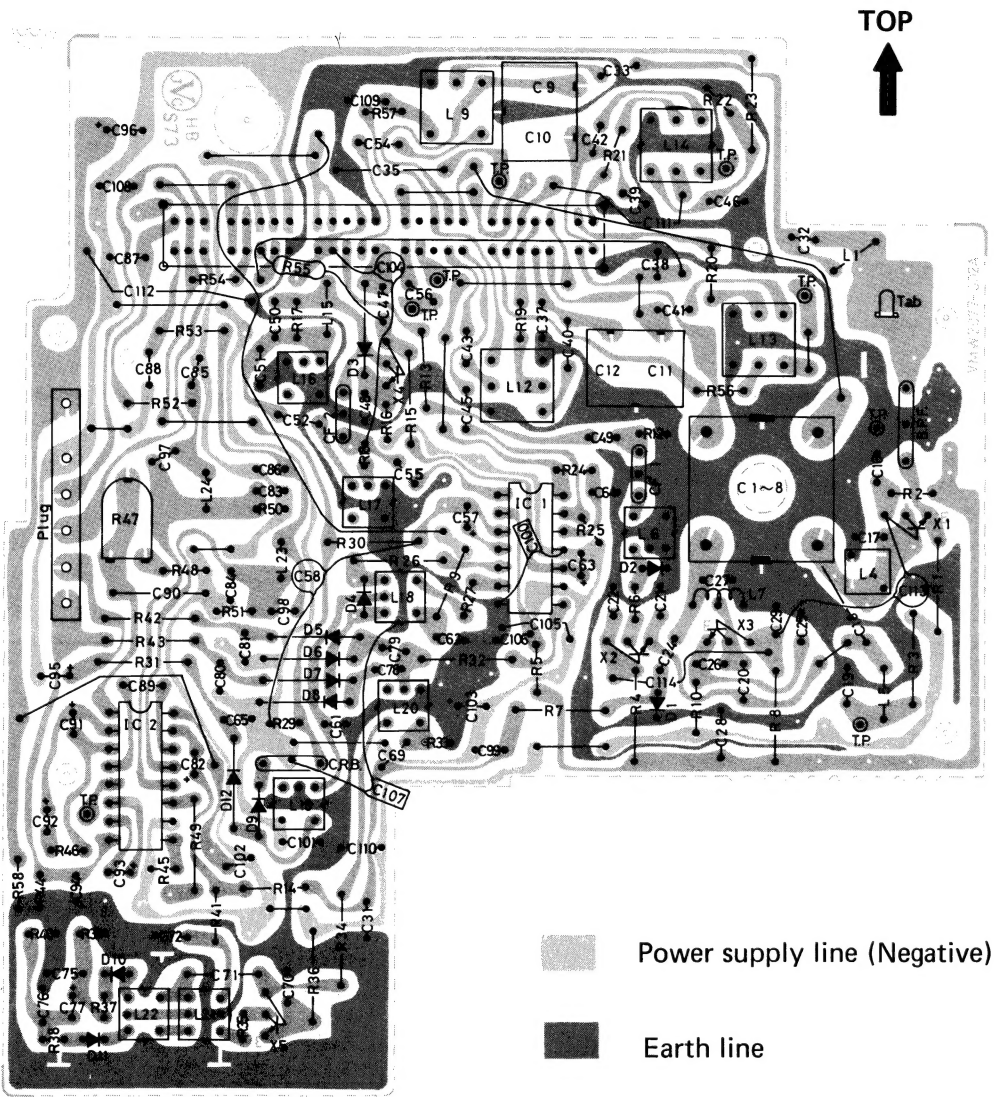


Fig. 2

Transistors

Ref. No.	Parts No.	Description	Pc	fT
X1, X2,3,5 X4	2SC1359(B) 2SC829(C) 2SC460(C)	Silicon (MATSUSHITA) " (") " (HITACHI)	0.25W " 0.2W	300MHz 230MHz "

ICs & Diodes

Ref. No.	Parts No.	Parts Name	Description
IC1 IC2 D1 D2,3,4,7 D5,6,8,9,12 D10,11	AN260 AN362 1S2790 1S2473 1N34A or 1K34A 1N60(P)	Integrated Circuit " Variable Capacitance Diode Silicon Diode Germanium Diode "	MATSUSHITA (FM/AM IF) " (MPX) HITACHI TOYO DENGU HITACHI "

Resistors

Ref. No.	Parts No.	Parts Name	Description
R1	QRD141K-152	Carbon	1.5kΩ 1/4W
R2	QRD143K-472	"	4.7kΩ "
R3	QRD141K-182	"	1.8kΩ "
R4,8,15	" -472	"	4.7kΩ "
R5	QRD143K-330	"	33Ω "
R6	" -181	"	180Ω "
R7	QRD141K-224	"	220kΩ "
R9	QRD143K-391	"	390Ω "
R10	" -222	"	2.2kΩ "
R12,27	" -471	"	470Ω "
R13	" -100	"	10Ω "
R14	" -224	"	220kΩ "
R16	" -152	"	1.5kΩ "
R17	" -331	"	330Ω "
R18	" -101	"	100Ω "
R19	" -122	"	1.2kΩ "
R20	" -122	"	1.2kΩ "
R21	" -391	"	390Ω "
R22	" -332	"	3.3kΩ "
R23,36	QRD141K-102	"	1kΩ "
R24,33	QRD143K-394	"	390kΩ "
R25	" -182	"	1.8kΩ "
R26	QRD141K-470	"	47Ω "
R29	QRD143K-103	"	10kΩ "
R30	QRD141K-104	"	100kΩ "
R31	" -182	"	1.8kΩ "
R32	" -181	"	180Ω "
R34	" -221	"	220Ω "
R35	QRD143K-181	"	180Ω "
R37,38,45,46	" -102	"	1kΩ "
R39,40	" -103	"	10kΩ "
R41	QRD141K-153	"	15kΩ "
R42,49	" -471	"	470Ω "
R43	" -223	"	22kΩ "

Ref. No.	Parts No.	Parts Name	Description
R44	QRD143K-224	Carbon	220k Ω 1/4W
R47	QVP8A0B-014	Variable	10k Ω B-curve
R48	QRD143K-223	Carbon	22k Ω 1/4W
R50,51	" -222	"	2.2k Ω "
R52,53	" -332	"	3.3k Ω "
R54	" -123	"	12k Ω "
R55	" -274	"	270k Ω "
R56	" -680	"	68 Ω "
R57	" -330	"	33 Ω "
R58	" -470	"	47 Ω "

Capacitors

Ref. No.	Parts No.	Parts Name	Description
C1~8	QAP1224-504	Variable	
C9-10,11-12	QAT2002-001	Trimmer	
C16,29	QCF11EZ-103	Ceramic	0.01 μ F 25V
C17	QCS11HK-220	"	22pF 50V
C18	" -5R0	"	5pF "
C19	QCS11HJ-331	"	330pF "
C20	QCS11HK-3R0	"	3pF "
C21,25	" -200	"	20pF "
C22	QCF11EZ-473	"	0.047 μ F 25V
C24,36	QCS11HK-5R0	"	5pF 50V
C26	" -100	"	10pF "
C27	QCT05CH-220	"	22pF "
C28	QCF11EZ-223	"	0.022 μ F 25V
C31	QFM41HM-223	Mylar	" 50V
C32	QCS11HK-4R0	Ceramic	4pF "
C33	" -560	"	56pF "
C35,38	" -150	"	15pF "
C37	" -7R0	"	7pF "
C39	" -120	"	12pF "
C40	QFS41HJ-332	Polystyrol	3300pF "
C41	" -122	"	1200pF "
C42	" -301	"	300pF "
C43	QCY41HK-681	Ceramic	680pF "
C45,47,49	" -472	"	4700pF "
C46	QCF11EZ-473	"	0.047 μ F 25V
C48	QEW41HA-105	Electrolytic	1 μ F 50V
C50	QCS11HJ-331	Ceramic	330pF "
C51	" -391	"	390pF "
C52	QCS11HK-4R0	"	4pF "
C54	QFM41HK-103	Mylar	0.01 μ F "
C55	QCF11EZ-103	Ceramic	" 25V
C56	QFM41HK-153	Mylar	0.015 μ F 50V
C57,63	QEW41HA-474	Electrolytic	0.47 μ F "
C58,62	QCF11EZ-223	Ceramic	0.022 μ F 25V
C61	QCS11HJ-471	"	470pF 50V
C64,65,69,70	QCF11EZ-223	"	0.022 μ F 25V
C71	QCS11HK-1R0	"	1pF 50V
C72	QCS11HJ-201	"	200pF "
C75,76	" -331	"	330pF "

Ref. No.	Parts No.	Parts Name	Description
C77	QEW41CA-106	Electrolytic	10 μ F 16V
C78	QCS11HK-100	Ceramic	10pF 50V
C79	" -240	"	24pF "
C80,81	QCF11EZ-223	"	0.022 μ F 25V
C82,93	QEW41HA-105	Electrolytic	1 μ F 50V
C83,84	QFM41HK-153	Mylar	0.015 μ F "
C85,86	" -472	"	4700pF "
C87,88	" -103	"	0.01 μ F "
C89	QFM41HM-473	"	0.047 μ F "
C90	QFS21HJ-391	Polystyrol	390pF "
C91	QEC81HM-224	Electrolytic	0.22 μ F "
C92	" -474	"	0.47 μ F "
C94	QEW41CA-106	"	10 μ F 16V
C95	QEW41AA-107	"	100 μ F 10V
C96	" -108	"	1000 μ F "
C97,98	QCY41HK-152	Ceramic	1500pF 50V
C99,	QFM41HM-223	Mylar	0.022 μ F "
C100,101,102	" -223	"	0.022 μ F "
C103	QEW41AA-227D09	Electrolytic	220 μ F 10V
C104	QCY41HK-222	Ceramic	2200pF 50V
C105,107,110	QFM41HM-223	Mylar	0.022 μ F "
C106	QCF11EZ-223	Ceramic	" 25V
C108,109	QCS11HK-151	"	150pF 50V
C111	QCY41HK-472	"	4700pF "
C112	QCS11HK-151	"	150pF 10V
C113	QCF11EZ-472	"	4700pF 25V
C114	QCY41HK-102	"	1000pF 50V

Others

Ref. No.	Parts No.	Parts Name	Description
L1	V03047-11	Coil	SW2 Antenna
L4	V03105-018	"	FM RF
L5,15	03226-1K	Inductor	
L6	VQT7F12-103	I.F.T.	FM
L7	V03080-3	Coil	FM Osc.
L9	VQR1014-202	"	SW2 Antenna
L12,13	V03101-025	"	SW1 & SW2 Osc.
L14	VQM1T03-201	"	MW Osc.
L16	VQT7A10-101	I.F.T.	AM
L17	VQT7A11-101	"	"
L18	VQT7F11-202	"	FM
L19	VQT7A11-302	"	AM
L20	V03068-23	"	FM
L21	VQT7F15-502	"	"
L22	VQT7F16-602	"	"
L23,24	03226-18	Inductor	
B.P.F.	VBP1M3B-001	Band Pass Filter	includes L2,3,8 C13~15
CF1,2	V03059-3	Ceramic Filter	FM I.F.
C.R.B	03126-15	CR Block	includes R28, C66, 67
S1~10	QSS0023-001	Slide Switch	BAND
Plug	QMC0629-001	Plug Ass'y	6-pin
Tab	V43895-1	Tab	
T.P.	V04041-1	Test Point	
	V43762-003	Shield Case	

Amplifier Circuit Board Ass'y

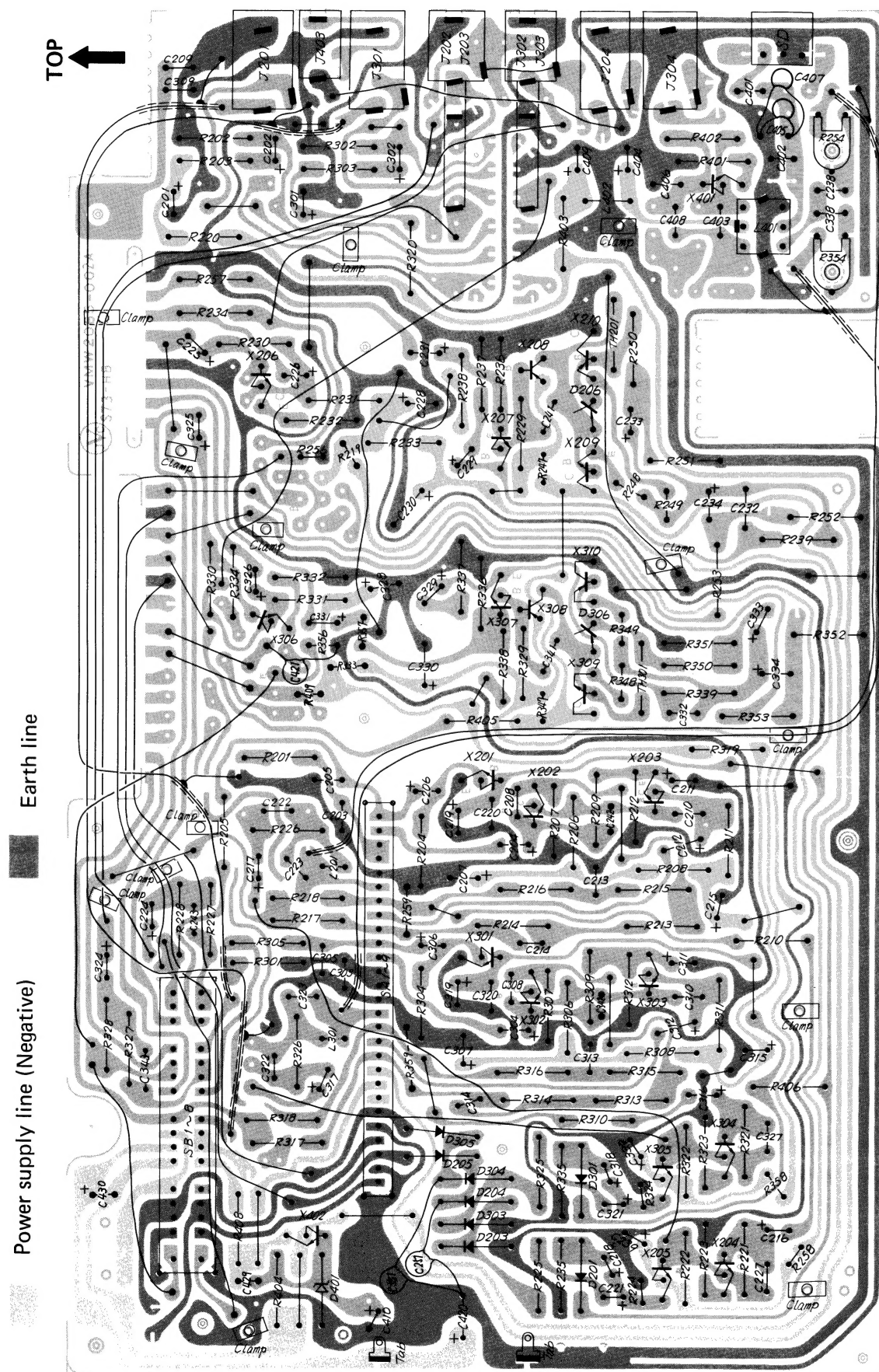


Fig. 3

Transistors

Ref. No.	Parts No.	Description	Pc	ft
X201,301	2SC1335(D,E)	Silicon (HITACHI)	0.2W	230MHz
X202,302	2SC644(R,S)	" (MATSUSHITA)	0.15W	
X203~207	2SC828(Q,R)	" (")	0.25W	220MHz
303~307				
X208,308	2SA564(Q,R)	Silicon (MATSUSHITA)	0.25W	80MHz
X209,309	2SD352(G,H,I)	Germanium (MATSUSHITA)	0.65W	
X210,310	2SB324(G,H,I)	" (")	"	
X401,402	2SD468(B,C)	Silicon (HITACHI)	0.9W	190MHz

Diodes & Thermistors

Ref. No.	Parts No.	Part Name	Description
D201,301	1S2473	Silicon Diode	TOYO DENGU
D203~205	1N34A or 1K34A	Germanium Diode	HITACHI
303~305			
D206,306	2SB175(A)	Germanium Transistor	MATSUSHITA
D401	HZ6C	Zener Diode	HITACHI
TH201,301	TD5-A082HB	Thermister	TOYO DENGU

Resistors

Ref. No.	Parts No.	Parts Name	Description
R201,301	QRD141K-100	Carbon	10 Ω 1/4W
R202,302	" -102	"	1k Ω "
R203,303	" -222	"	2.2k Ω "
R204,206,304,306	" -103	"	10k Ω "
R205,210,305,310	" -272	"	2.7k Ω "
R207,307	" -101	"	100 Ω "
R208,308	" -332	"	3.3k Ω "
R209,309	" -104	"	100k Ω "
R211,311	" -182	"	1.8k Ω "
R212,222,312,322	" -561	"	560 Ω "
R213,313	" -682	"	6.8k Ω "
R214,314	" -154	"	150k Ω "
R215,216,315,316	" -103	"	10k Ω "
R217,317	" -153	"	15k Ω "
R218,318	" -183	"	18k Ω "
R219,333	QRD143K-331	"	330 Ω "
R220,320	QRD141K-822	"	8.2k Ω "
R221,321	" -104	"	100k Ω "
R223,323	" -470	"	47 Ω "
R224,324	QRD143K-102	"	1k Ω "
R225,325	QRD141K-681	"	680 Ω "
R226,238,326,338	" -153	"	15k Ω "
R227,327	" -684	"	680k Ω "
R228,328	" -333	"	33k Ω "
R229,329	" -222	"	2.2k Ω "
R230,330	" -334	"	330k Ω "
R231,234,331,334	" -562	"	5.6k Ω "
R232,332	" -101	"	100 Ω "
R233,319	" -331	"	330 Ω "
R235,335	" -102	"	1k Ω "
R236,336	" -393	"	39k Ω "
R237,337	" -150	"	15 Ω "
R239,339	" -152	"	1.5k Ω "
R247,347	QRC123K-220	Composition	22 Ω 1/2W
R248,249,348,349	QRW123K-R22	Wire Wound	0.22 Ω "

Ref. No.	Parts No.	Parts Name	Description
R250,350	QRD141K-221	Carbon	220Ω 1/4W
R251,252,351,352	" -101	"	100Ω "
R253,353	" -182	"	1.8kΩ "
R254,354	QVP8A0B-054	Variable	50kΩ B-curve
R256,356	QRD143K-473	Carbon	47kΩ 1/4W
R257	QRD141K-561	"	560Ω "
R258,358	QRD143K-330	"	33Ω "
R259,359	" -472	"	4.7kΩ "
R357	" -561	"	560Ω "
R401,408	QRD141K-4R7	"	47Ω "
R402	" -183	"	18kΩ "
R403	" -100	"	10Ω "
R404	" -271	"	270Ω "
R405	" -473	"	47kΩ "
R406	" -222	"	2.2kΩ "
R409	QRD143K-473	"	47kΩ "

Ref. No.	Parts No.	Parts Name	Description
C251,351	QCF11EZ-103	Ceramic	0.01μF 25V
C401	QCY41HK -122	"	1200pF 50V
C402	QFM41HM-822	Mylar	8200pF "
C403,406	QFM41HK-223	"	0.022μF "
C404	QEW41AA-107	Electrolytic	100μF 10V
C405,407,408	QCY41HK-332	Ceramic	3300pF 50V
C409	QEW41AA-227D09	Electrolytic	220μF 10V
C410	" -108	"	1000μF "
C420	QEW41CA-228	"	2200μF 16V
C421	QCS11HK-151	Ceramic	150pF 50V
C429	QCF11EZ-223	"	0.022μF 25V
C430	QEW41CA-106	Electrolytic	10μF 16V

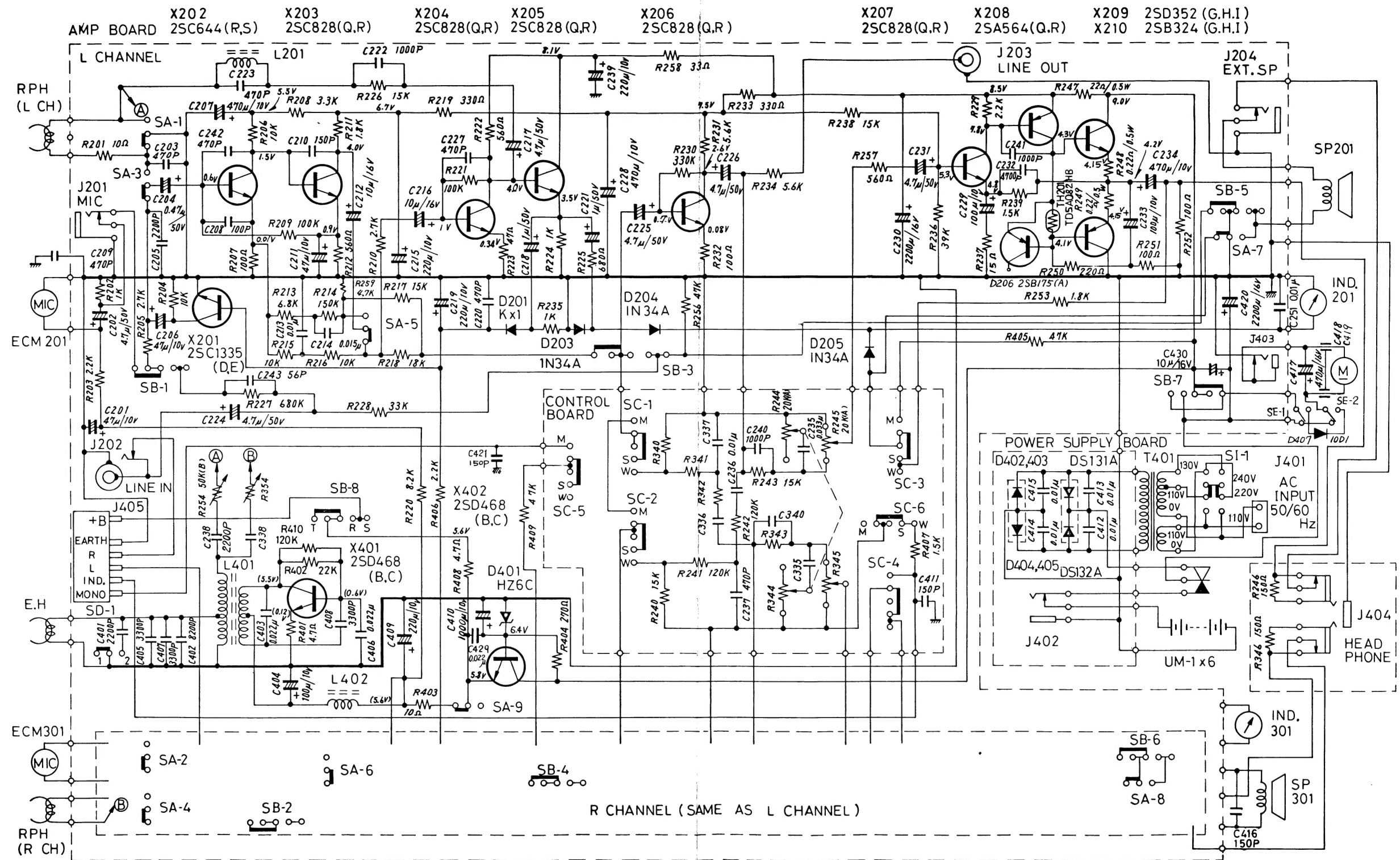
Capacitors

Ref. No.	Parts No.	Parts Name	Description
C201,206,301,306	QEW41AA-476	Electrolytic	47μF 10V
C202,217,302,317	QEW41HA-475	"	4.7μF 50V
C203,303	QCS11HK-471	Ceramic	470pF "
C204,304	QEW41HA-474	Electrolytic	0.47μF "
C205,305	QCY41HK-222	Ceramic	2200pF "
C207,307	QEW41AA-477D11	Electrolytic	470μF 10V
C208,308	QCS11HK-101	Ceramic	100pF 50V
C209,309	" -471	"	470pF "
C210,310	" -151	"	150pF "
C211,311	QEW41AA-476	Electrolytic	47μF 10V
C212,216,312,316	QEW41CA-106	"	10μF 16V
C213,313	QFM41HK-103	Mylar	0.01μF 50V
C214,314	" -153	"	0.015μF "
C215,219,315,319	QEW41AA-227D09	Electrolytic	270μF 10V
C218,221,318,321	QEW41HA-105	"	1μF 50V
C220,223,320,323	QCS11HK-471	Ceramic	470pF "
C222,322	QCY41HK-102	"	1000pF "
C224,324	QEW41HA-475	Electrolytic	4.7μF "
C225,226,325,326	QEW41HA-475	"	4.7μF "
C227,327	QCS11HK-471	Ceramic	470pF "
C228,234,328,334	QEW41AA-477D11	Electrolytic	470μF 10V
C229,233,329,333	" -107	"	100μF "
C230,330	QEW41CA-228	"	2200μF 16V
C231,331	QEW41HA-475	"	4.7μF 50V
C232,332	QCY41HK-472	Ceramic	4700pF "
C238,338	" -222	"	2200pF "
C239,339	QEW41AA-227D09	Electrolytic	220μF 10V
C241,341	QCY41HK-102	Ceramic	1000pF 50V
C242,342	QCS11HK-471	"	470pF "
C243,343	" -560	"	56pF "

Others

Ref. No.	Parts No.	Parts Name	Description
L201,301	03226-17	Inductor	Bias Osc.
L401	V03083-019	Coil	
L402	03226-2	Inductor	
SA1~9	QSS9201-001	Slide Switch	
SB1~8	QSS8301-001	"	Play/Record Function
J201~204,301~304,402,SD1	V03104-053	Jack Board Ass'y	
Tab	V43895-1	Tab	Wire Clamp
Clamp	V44691-001	Wire Clamp	

Schematic Diagram of RC-717W (Amplifier)



NOTE SA-1~9 PLAY-REC SWITCH (REC POSITION) SI-1 VOLTAGE SELECTOR (AT 220V)
 SB-1~8 TAPE-RADIO SLEEP SWITCH (TAPE POSITION)
 SC-1~5 MONO STEREO WIDE SWITCH (STEREO POSITION)
 SD-1 BEAT CUT SWITCH (1" POSITION)
 SE-1~2 MOTOR SWITCH (ON POSITION)
 VOLTAGE VALUE ARE MEASURED WITH NO SIGNAL
 USING V.T.V.M. () VALUE ARE AT PEC POSITION.
 LAST NO. R259, 359, 410,
 C251, 351, 430,

Fig. 4